

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
 Data File : BF095564.D
 Acq On : 31 May 2017 15:19
 Operator : SJ/MA
 Sample : PB99293BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 01 01:31:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

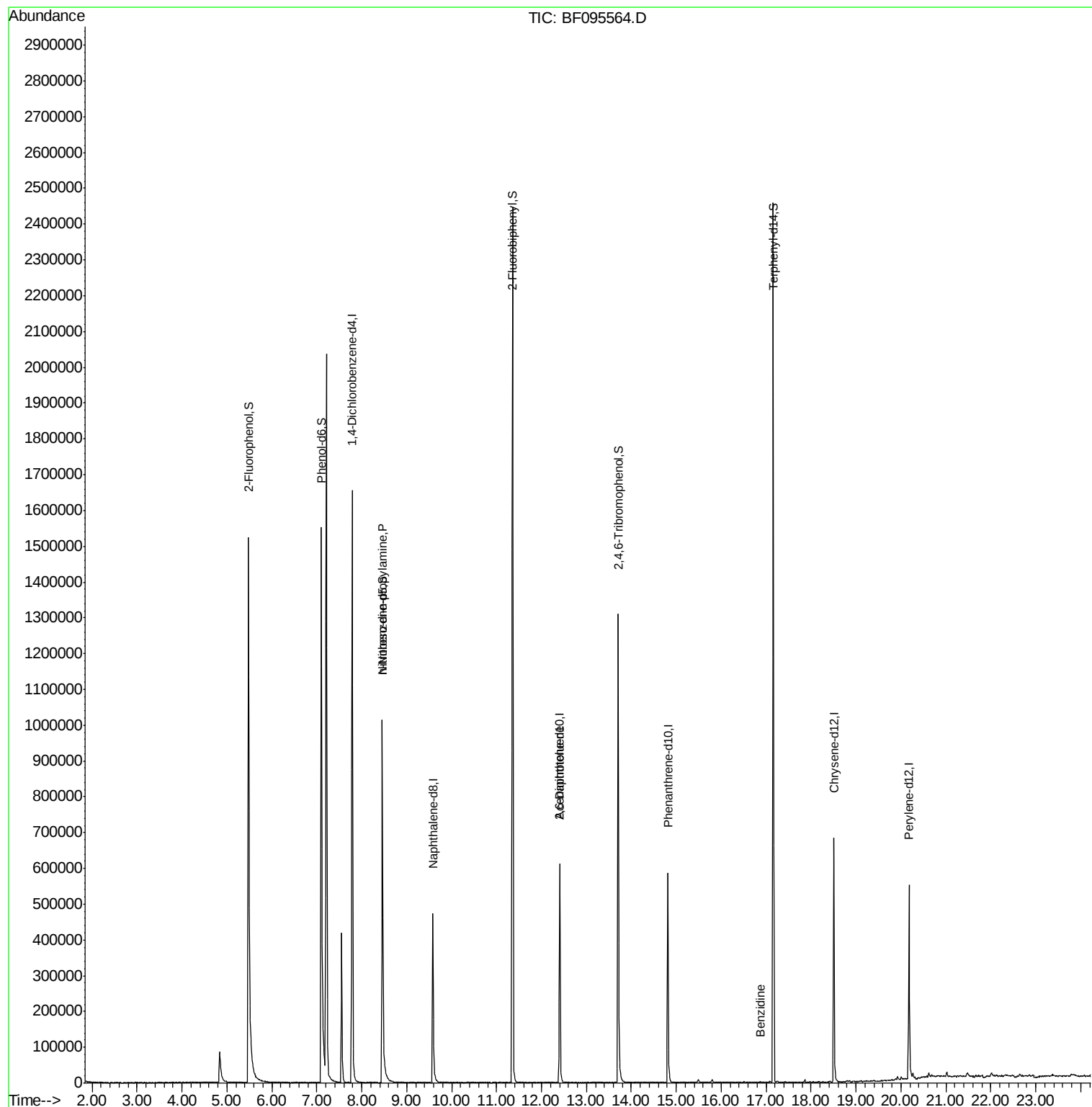
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	394750	20.00	ng	0.05
21) Naphthalene-d8	9.58	136	392860	20.00	ng	-0.18
38) Acenaphthene-d10	12.41	164	196913	20.00	ng	-0.19
63) Phenanthrene-d10	14.81	188	355323	20.00	ng	-0.19
75) Chrysene-d12	18.51	240	324921	20.00	ng	-0.17
86) Perylene-d12	20.18	264	261520	20.00	ng	-0.18
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	867544	36.64	ng	-0.23
7) Phenol-d6	7.10	99	1054239	37.11	ng	-0.19
23) Nitrobenzene-d5	8.46	82	592489	95.10	ng	-0.19
41) 2,4,6-Tribromophenol	13.71	330	232169	143.97	ng	-0.19
44) 2-Fluorobiphenyl	11.36	172	1244054	90.93	ng	-0.18
78) Terphenyl-d14	17.16	244	1079698	73.19	ng	-0.16
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.47	70	74106	3.86	ng	# 74
50) 2,6-Dinitrotoluene	12.41	165	24602	7.46	ng	# 31
76) Benzidine	16.87	184	2872	6.87	ng	# 62

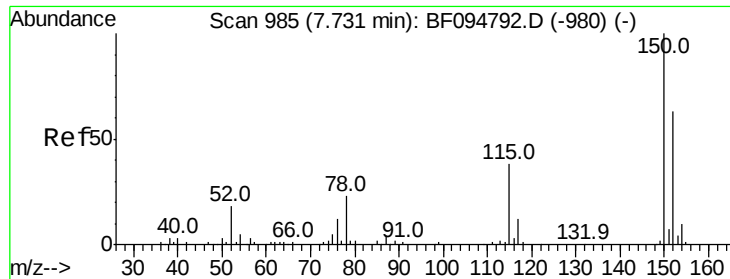
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.79 min Scan# 1012

Delta R.T. 0.05 min

Lab File: BF095564.D

Acq: 31 May 2017 15:19

Instrument :

BNA_F

ClientSampleId :

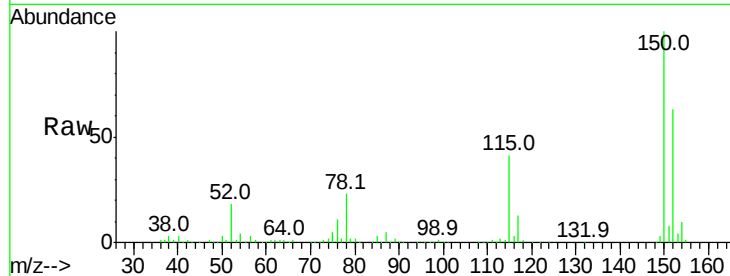
Tot Ion:152 Resp: 394750

Ion Ratio Lower Upper

152 100

150 158.5 126.2 189.2

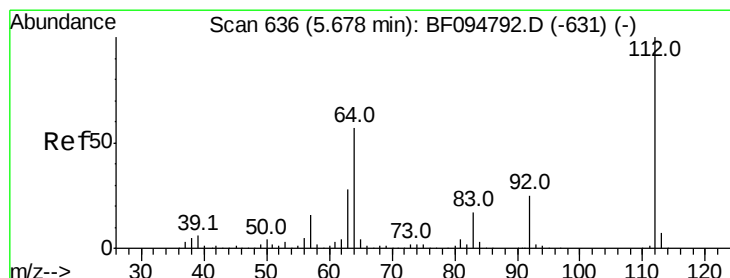
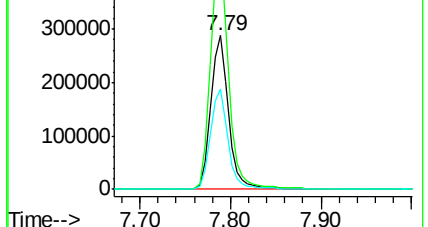
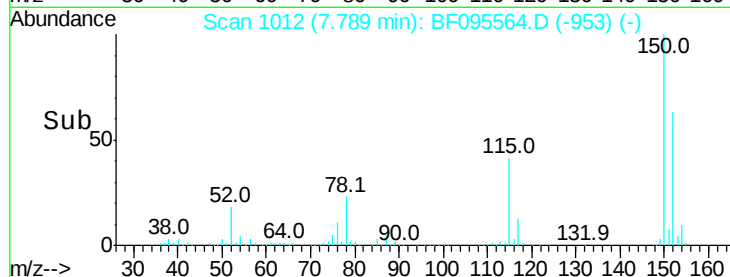
115 65.5 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 36.64 ng

RT: 5.48 min Scan# 619

Delta R.T. -0.23 min

Lab File: BF095564.D

Acq: 31 May 2017 15:19

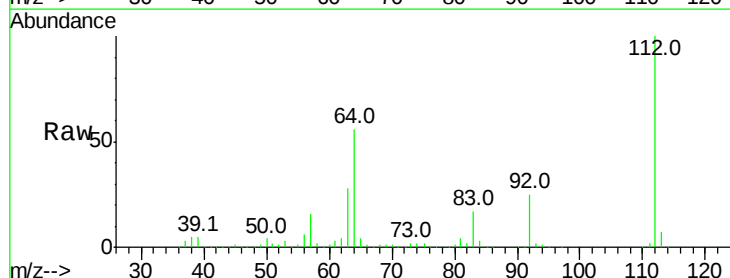
Tgt Ion:112 Resp: 867544

Ion Ratio Lower Upper

112 100

64 55.6 46.0 69.0

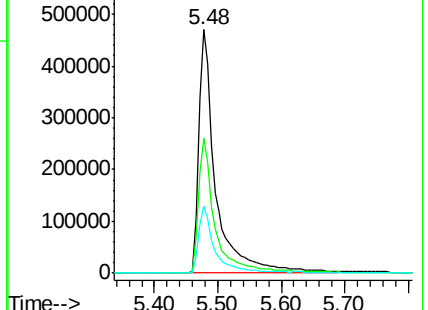
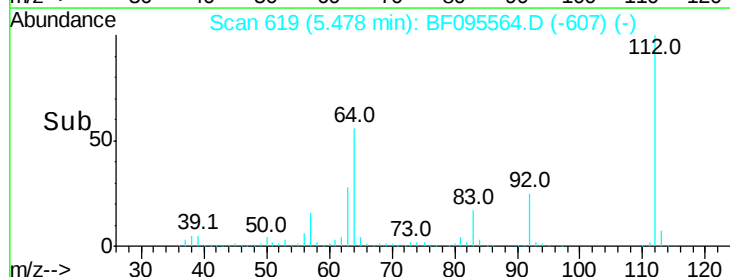
63 27.6 23.4 35.0

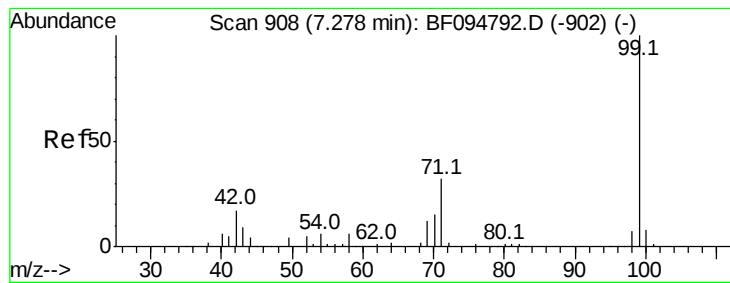


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 37.11 ng

RT: 7.10 min Scan# 895

Delta R.T. -0.19 min

Lab File: BF095564.D

Acq: 31 May 2017 15:19

Instrument :

BNA_F

ClientSampled :

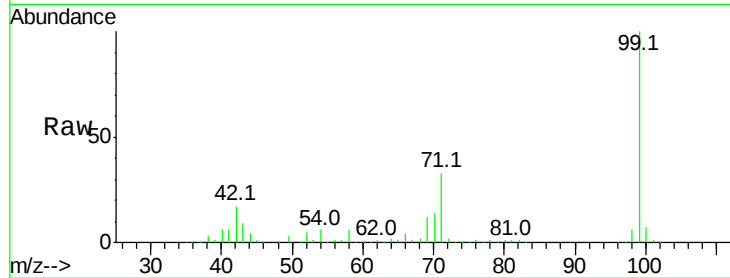
Tot Ion: 99 Resp: 1054239

Ion Ratio Lower Upper

99 100

42 16.8 13.5 20.3

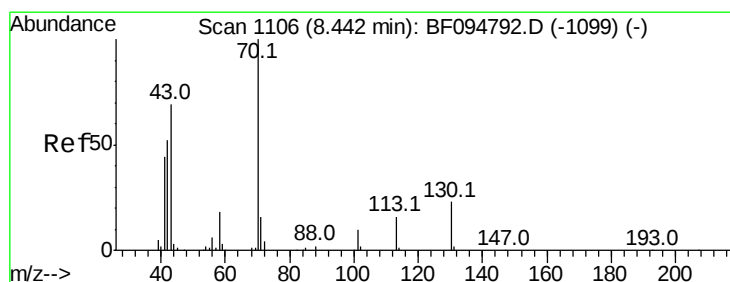
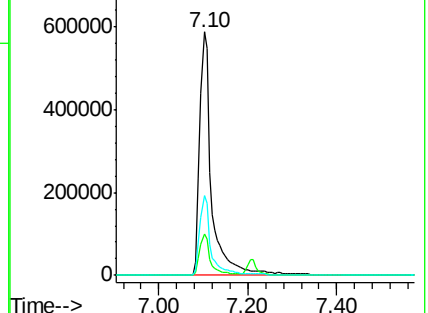
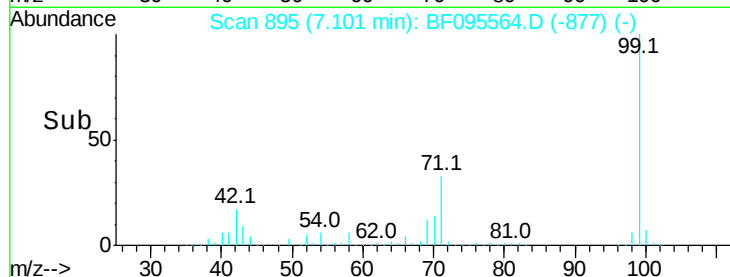
71 32.6 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 3.86 ng

RT: 8.47 min Scan# 1127

Delta R.T. 0.01 min

Lab File: BF095564.D

Acq: 31 May 2017 15:19

Tgt Ion: 70 Resp: 74106

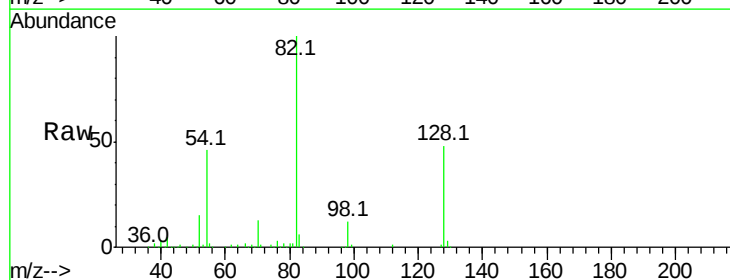
Ion Ratio Lower Upper

70 100

42 41.5 47.2 70.8#

101 0.0 7.2 10.8#

130 3.5 15.9 23.9#

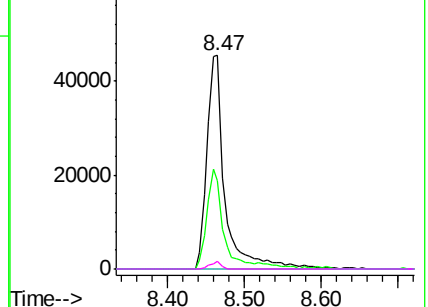
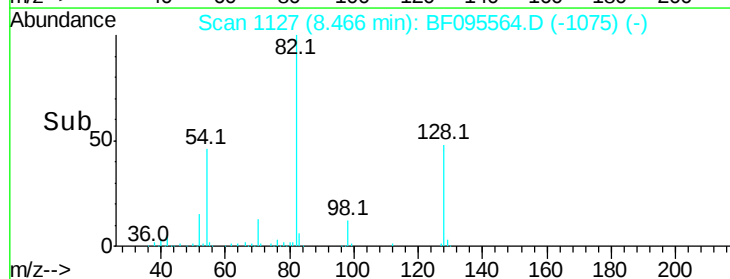


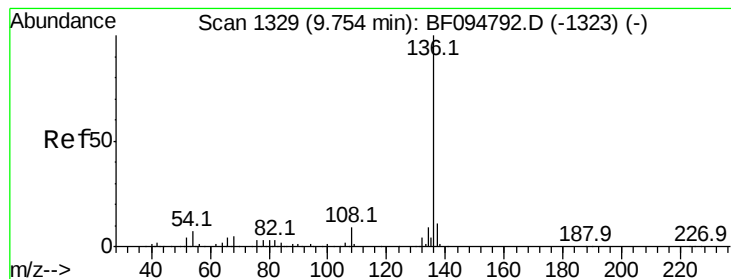
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.58 min Scan# 1317

Delta R.T. -0.18 min

Lab File: BF095564.D

Acq: 31 May 2017 15:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 392860

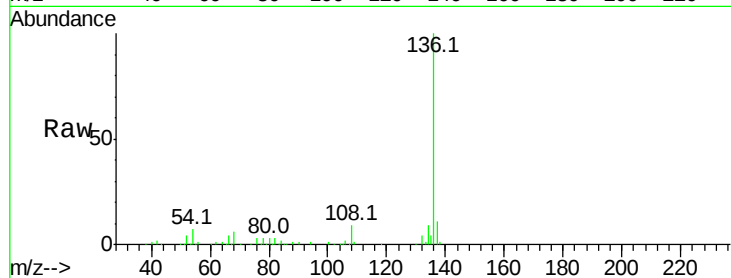
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 6.8 4.9 7.3

68 5.8 4.1 6.1

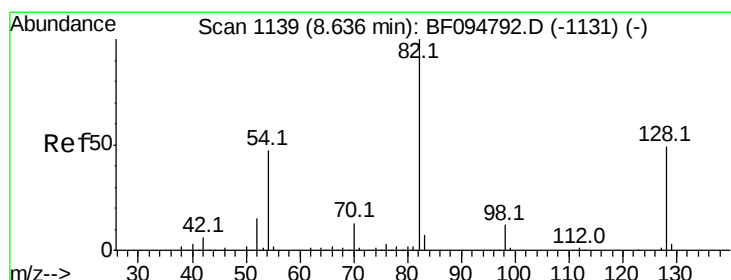
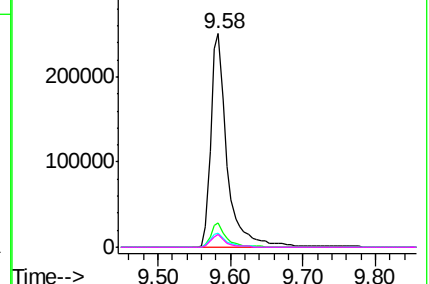
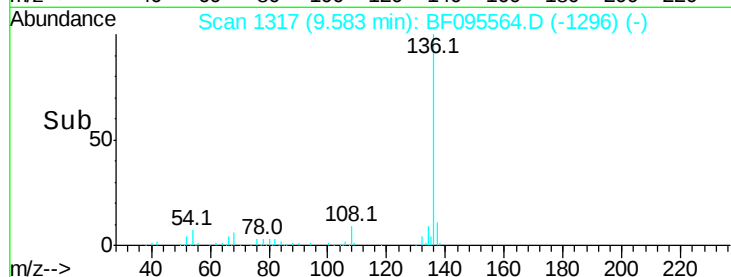


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 95.10 ng

RT: 8.46 min Scan# 1126

Delta R.T. -0.19 min

Lab File: BF095564.D

Acq: 31 May 2017 15:19

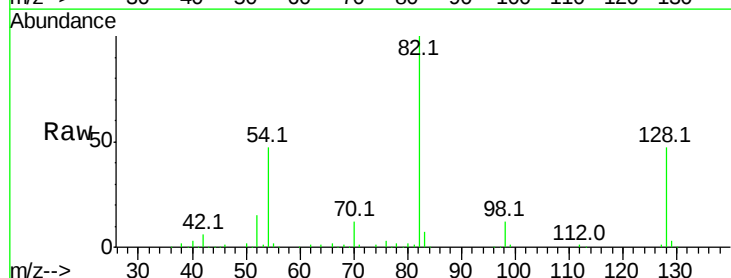
Tgt Ion: 82 Resp: 592489

Ion Ratio Lower Upper

82 100

128 46.6 34.0 51.0

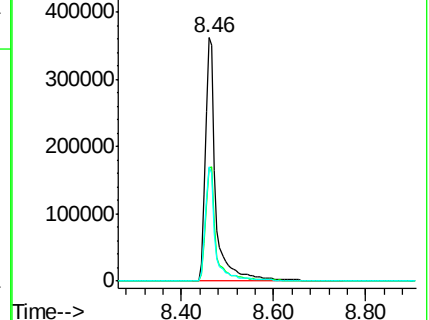
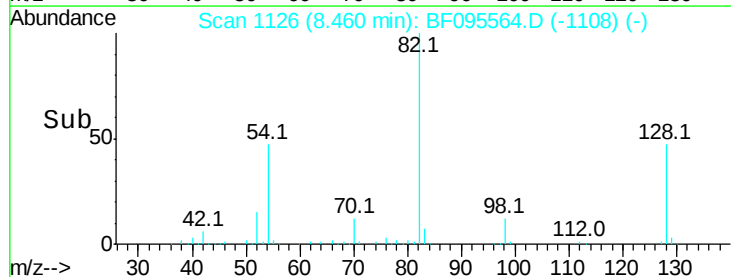
54 47.0 42.2 63.2

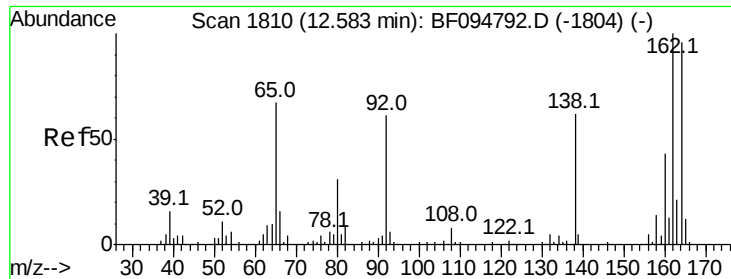


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.41 min Scan# 1797

Delta R.T. -0.19 min

Lab File: BF095564.D

Acq: 31 May 2017 15:19

Instrument :

BNA_F

ClientSampleId :

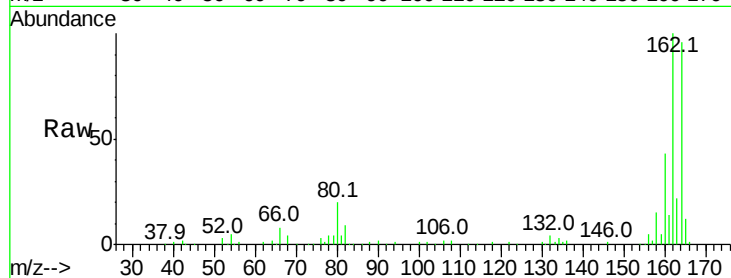
Tot Ion:164 Resp: 196913

Ion Ratio Lower Upper

164 100

162 104.5 82.6 123.8

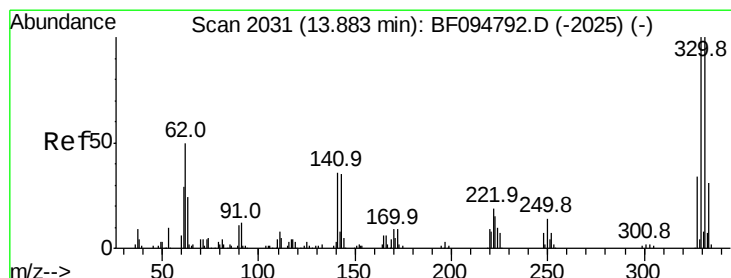
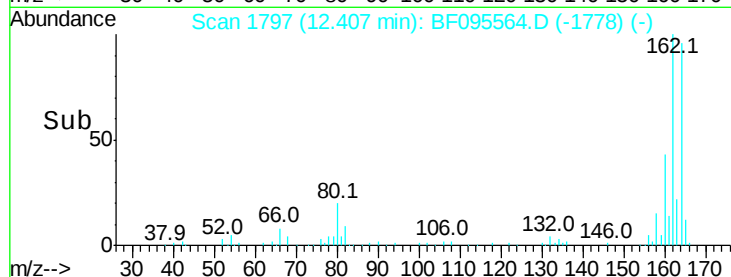
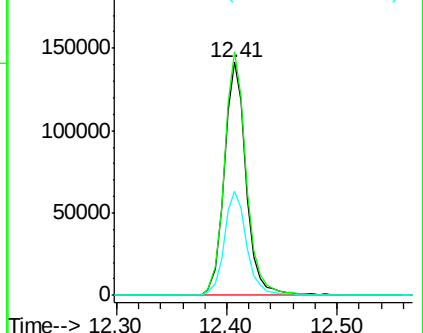
160 44.7 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 143.97 ng

RT: 13.71 min Scan# 2018

Delta R.T. -0.19 min

Lab File: BF095564.D

Acq: 31 May 2017 15:19

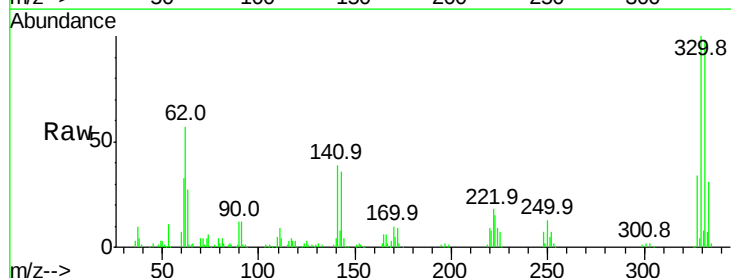
Tgt Ion:330 Resp: 232169

Ion Ratio Lower Upper

330 100

332 98.7 76.6 115.0

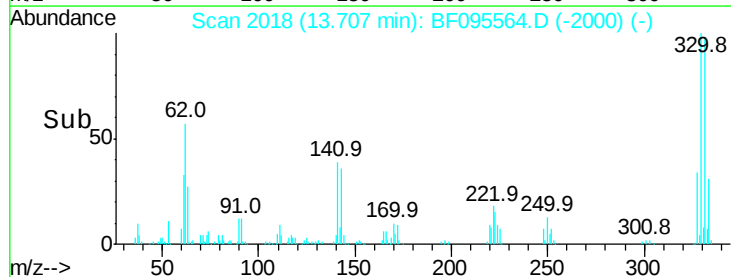
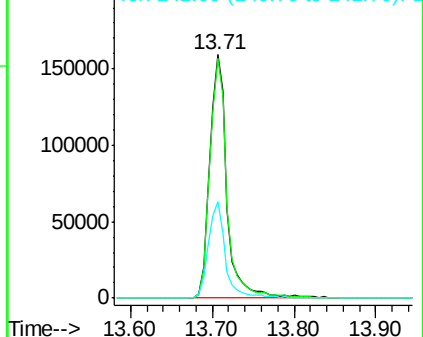
141 39.1 31.4 47.2

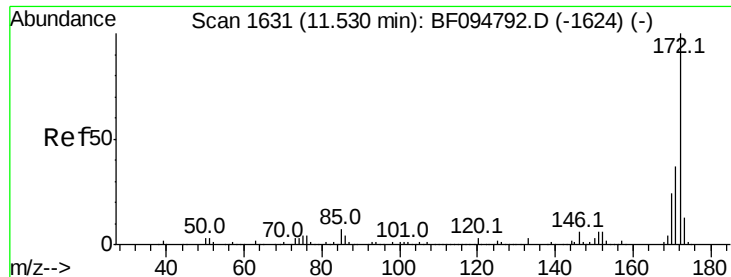


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

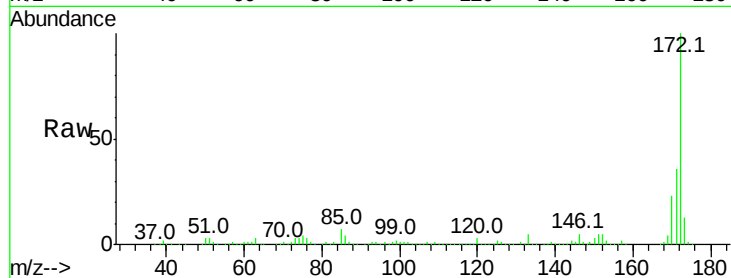




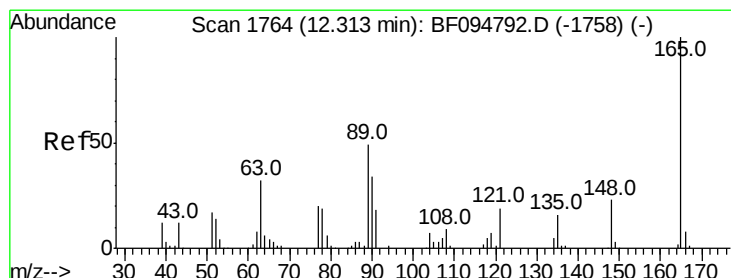
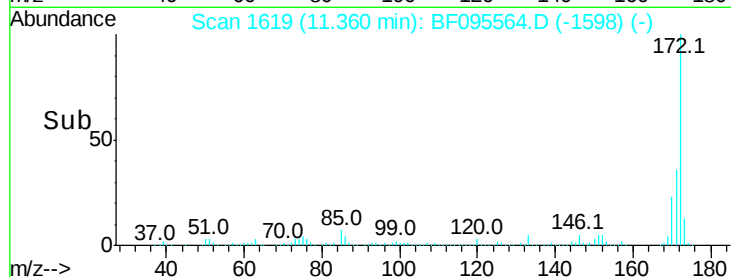
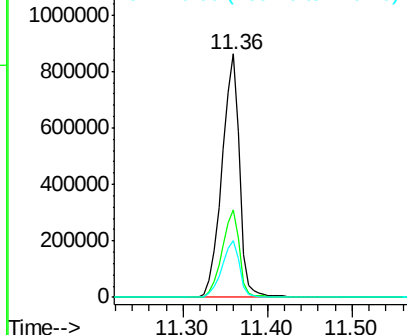
#44
2-Fluorobiphenyl
Concen: 90.93 ng
RT: 11.36 min Scan# 1619
Delta R.T. -0.18 min
Lab File: BF095564.D
Acq: 31 May 2017 15:19

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1244054
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 23.3 19.8 29.8

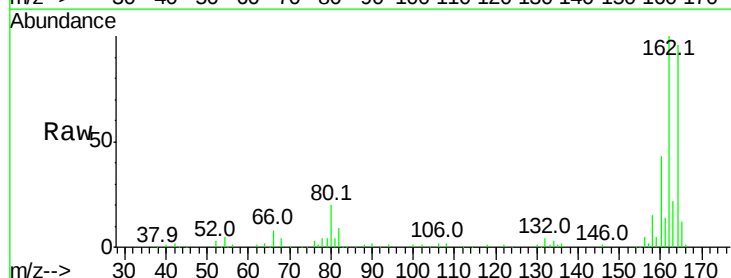


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

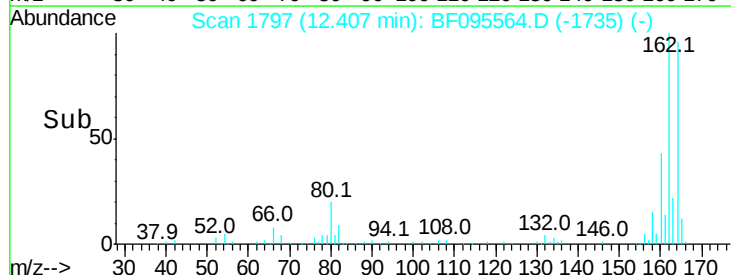
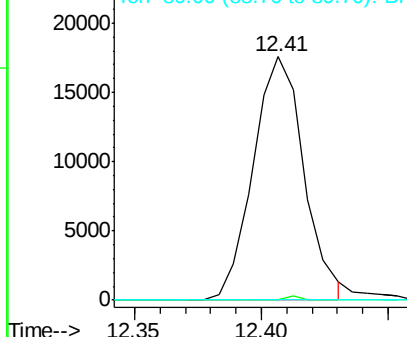


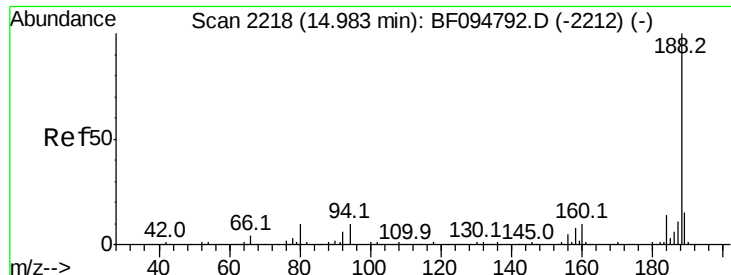
#50
2,6-Dinitrotoluene
Concen: 7.46 ng
RT: 12.41 min Scan# 1797
Delta R.T. 0.06 min
Lab File: BF095564.D
Acq: 31 May 2017 15:19

Tgt Ion:165 Resp: 24602
Ion Ratio Lower Upper
165 100
63 0.0 34.3 51.5#
89 0.0 37.1 55.7#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

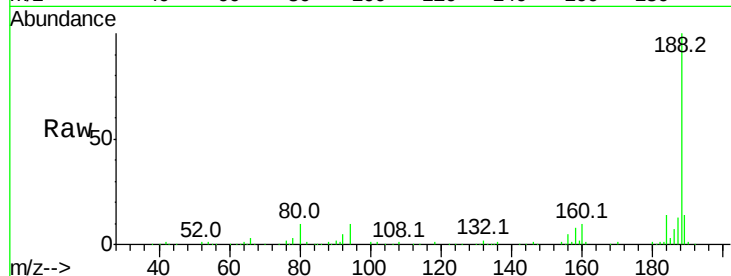




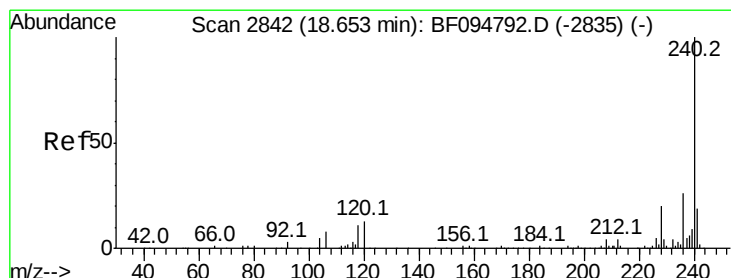
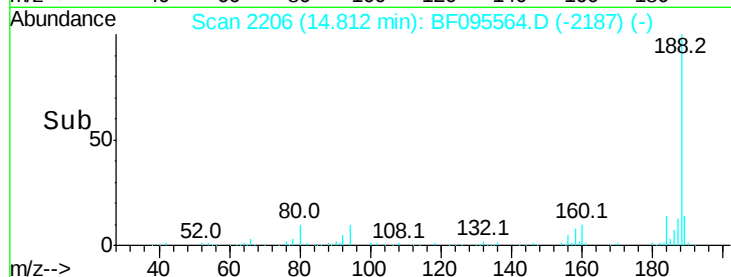
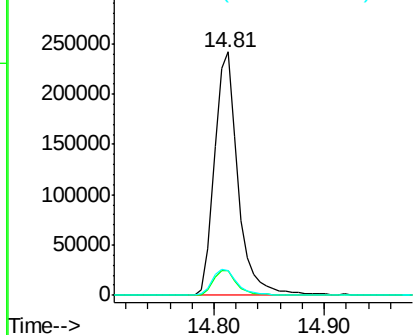
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.81 min Scan# 2206
 Delta R.T. -0.19 min
 Lab File: BF095564.D
 Acq: 31 May 2017 15:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 355323
 Ion Ratio Lower Upper
 188 100
 94 10.2 9.4 14.2
 80 10.3 10.2 15.2

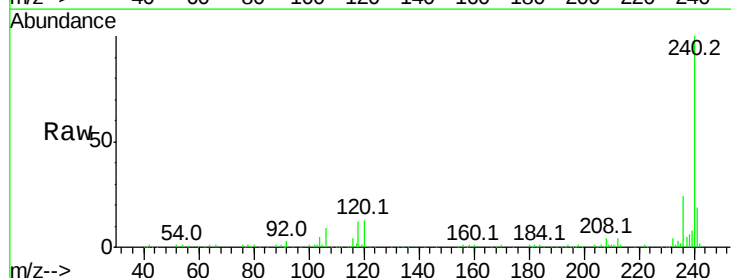


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

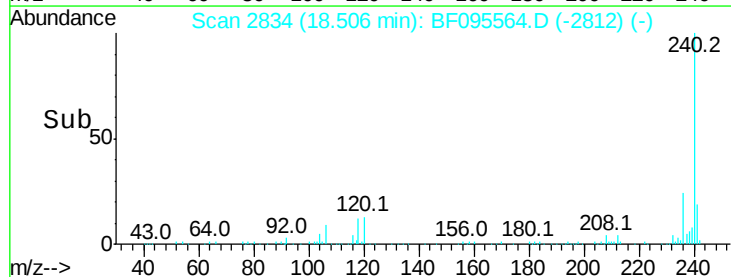
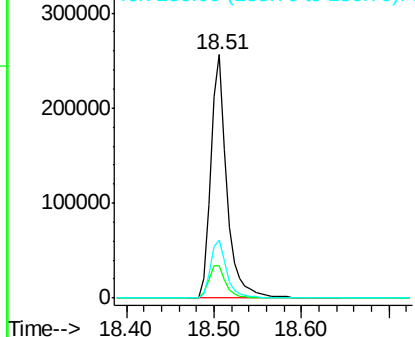


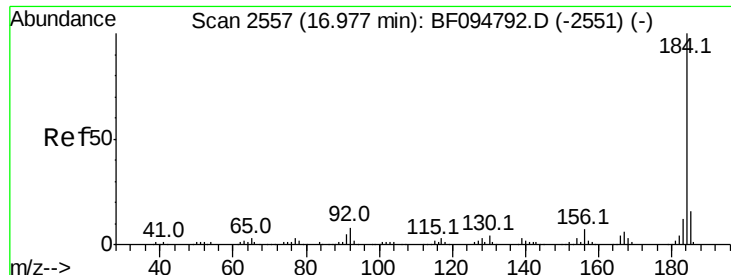
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.51 min Scan# 2834
 Delta R.T. -0.17 min
 Lab File: BF095564.D
 Acq: 31 May 2017 15:19

Tgt Ion:240 Resp: 324921
 Ion Ratio Lower Upper
 240 100
 120 13.4 5.8 8.8#
 236 24.0 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

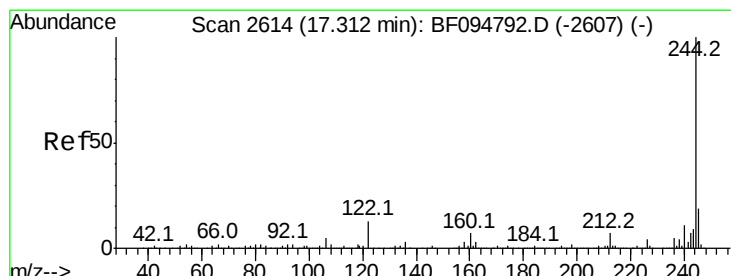
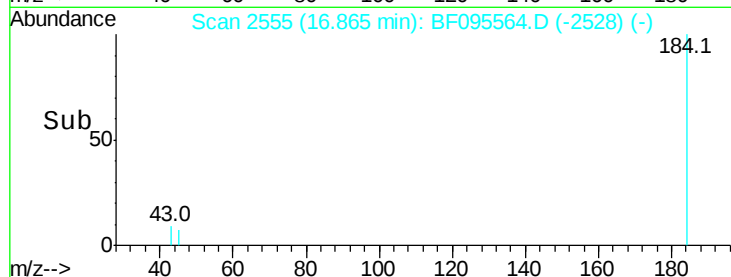
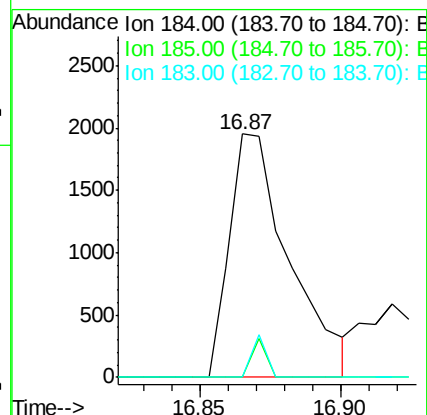
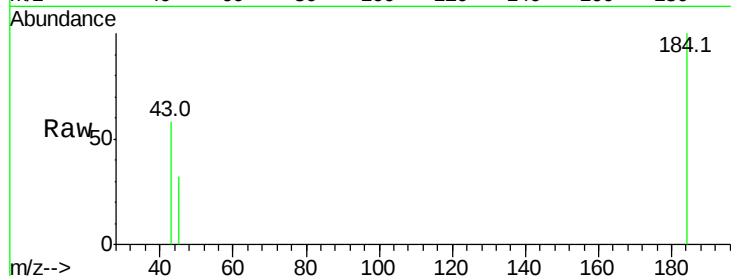




#76
Benzidine
Concen: 6.87 ng
RT: 16.87 min Scan# 2555
Delta R.T. -0.14 min
Lab File: BF095564.D
Acq: 31 May 2017 15:19

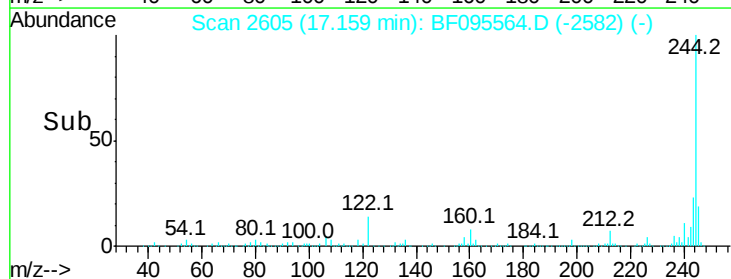
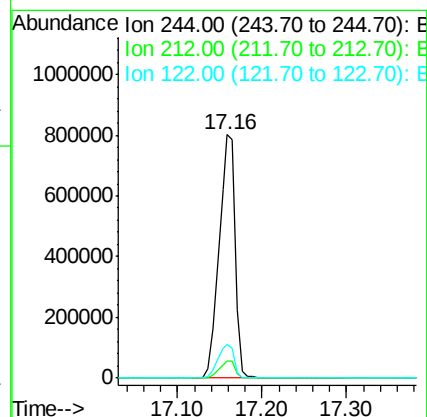
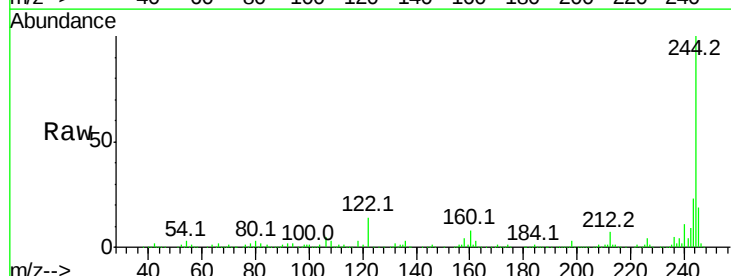
Instrument :
BNA_F
ClientSampled :

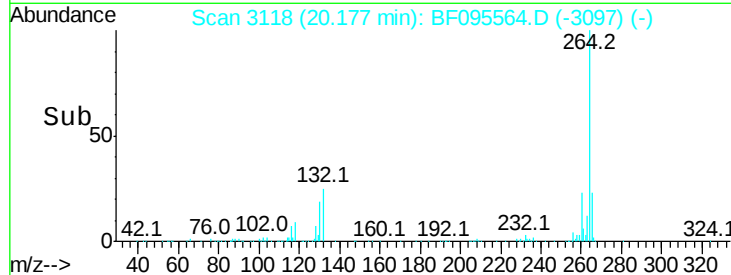
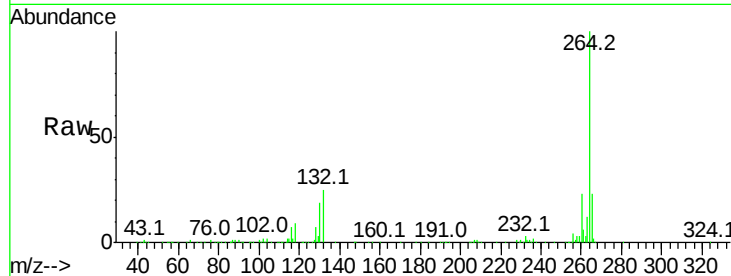
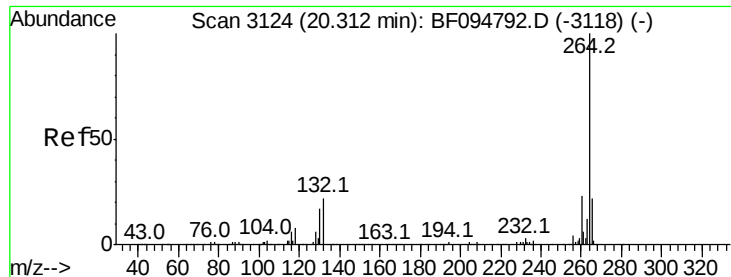
Tot Ion:184 Resp: 2872
Ion Ratio Lower Upper
184 100
185 0.0 15.5 23.3#
183 0.0 9.8 14.6#



#78
Terphenyl-d14
Concen: 73.19 ng
RT: 17.16 min Scan# 2605
Delta R.T. -0.16 min
Lab File: BF095564.D
Acq: 31 May 2017 15:19

Tgt Ion:244 Resp: 1079698
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 14.0 10.3 15.5





#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.18 min Scan# 3118
Delta R.T. -0.18 min
Lab File: BF095564.D
Acq: 31 May 2017 15:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264	Resp:	261520
Ion Ratio	Lower	Upper
264	100	
260	22.6	19.5 29.3
265	22.8	17.2 25.8

